CURRENTLY PENDING CLAIMS

The listing of claims below replaces all prior versions, and listings, of claims:

1   1.   (Previously Presented) A method of presenting an execution plan for a
2   query, comprising:
3   determining steps of the query execution plan for a parallel database
4   system;
5   displaying the steps of the query execution plan in a graphical user
6   interface; and
7   depicting parallel execution of steps of the query execution plan in the
8   graphical user interface,
9   wherein depicting the parallel execution of steps comprises displaying
10   plural elements corresponding to concurrently executing plural steps on respective
11   processors of the parallel database system.

1   2.   (Previously Presented) The method of claim 1, wherein determining the
2   steps comprises determining steps of the query execution plan for the parallel database
3   system running in a multiprocessing platform having plural processors.

1   3.   (Previously Presented) The method of claim 1, wherein determining the
2   steps comprises determining steps of the query execution plan for the parallel database
3   system running in a platform having plural virtual processors to handle access to data in
4   the parallel database system.

1   4.   (Previously Presented) The method of claim 1, wherein displaying the
2   plural elements comprises displaying plural icons.

1   5.   (Previously Presented) The method of claim 4, wherein the database
2   management system is executable in a platform, and wherein displaying the icons
3   comprises displaying one or more of the icons selected from the group consisting of an
4   icon representing a table, an icon representing an operation performed on a component of

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5   the platform, an icon representing a query statement, and icon representing an operation

6   performed on two or more tables.

1   6.   (Original) The method of claim 1, wherein determining the steps of the

2   query execution plan is performed by an optimizer.

1   7.   (Previously Presented) The method of claim 6, wherein determining the

2   steps of the query execution plan is performed by the optimizer based on emulated

3   environment data of a target system, the optimizer and emulated environment data

4   present in a test system, the target system comprising the parallel database system.

1   8.   (Previously Presented) The method of claim 1, wherein determining the

2   steps of the query execution plan is performed in a test system based on emulated

3   environment data of a target system that is separate from the test system, the target

4   system comprising the parallel database system.

1   9.   (Original) The method of claim 1, further comprising displaying explain

2   text of the query execution plan.

1   10.   (Original) The method of claim 9, wherein displaying the explain text

2   comprises displaying the explain text in a first screen, and wherein displaying the steps of

3   the query execution plan comprises displaying the steps in a second screen.

1   11.   (Original) A method of testing performance of a query, comprising:

2   determining a first execution plan of the query under a first condition;

3   determining a second execution plan of the query under a second

4   condition; and

5   displaying the first and second execution plans concurrently to enable

6   comparison of the execution plans.

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1   12.   (Original) The method of claim 11, wherein displaying the first and

2   second execution plans comprises displaying the execution plans in a graphical user

3   interface.

1   13.   (Original) The method of claim 11, wherein displaying the first and

2   second execution plans comprises displaying the execution plans in a graphical user

3   interface having a first screen to display the first execution plan and a second screen to

4   display the second execution plan.

1   14.   (Original) The method of claim 11, wherein displaying the first and

2   second execution plans comprises displaying a collection of icons to represent steps of

3   each of the execution plans.

1   15.   (Original) The method of claim 11, further comprising:

2   determining a third execution plan of the query under a third condition;

3   and

4   displaying the first, second, and third execution plans concurrently to

5   enable comparison of the execution plans.

1   16.   (Original) The method of claim 11, wherein determining the first

2   execution plan comprises determining an execution plan for the query in cooperation with

3   a first version of a software module of a parallel database system.

1   17.   (Original) The method of claim 16, wherein determining the second

2   execution plan comprises determining an execution plan for the query in cooperation with

3   a second version of the software module of the parallel database system.

1   18.   (Original) The method of claim 11, wherein determining the first

2   execution plan comprises determining an execution plan for the query in a system having

3   a first arrangement.

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1   19.   (Original) The method of claim 18, wherein determining the second

2   execution plan comprises determining an execution plan for the query in a system having

3   a second arrangement.

1   20.   (Original) The method of claim 11, wherein determining the first

2   execution plan comprises determining an execution plan involving a table having a first

3   content.

1   21.   (Original) The method of claim 20, wherein determining the second

2   execution plan comprises determining an execution plan involving the table having a

3   second content.

1   22.   (Previously Presented) The method of claim 21, wherein the second

2   content contains statistics.

1   23.   (Previously Presented) A system comprising:

2   a graphical user interface; and

3   a controller to determine an execution plan of a query based on emulation

4   data that emulates an environment of a target system in which a parallel database system

5   is implemented,

6   the controller to display a representation of the execution plan in the

7   graphical user interface.

1   24.   (Original) The system of claim 23, wherein the emulation data comprises

2   cost-related information including a number of nodes in the target system and a number

3   of CPUs in each node.

1   25.   (Original) The system of claim 23, wherein the emulation data comprises

2   cost-related information including a number of virtual processors running in the target

3   system.

1   26.   (Original) The system of claim 23, wherein the emulation data comprises
2   cost-related information relating to costs of doing operations in the target system.

1   27.   (Original) The system of claim 23, wherein the emulation data represents a
2   target system having a multi-node parallel processing system.

1   28.   (Cancelled)

1   29.   (Original) The system of claim 23, wherein the emulation data represents a
2   target system running plural virtual processors for handling access to the parallel database
3   system.

1   30.   (Previously Presented) An article comprising one or more storage media
2   containing instructions that when executed cause a controller to:
3   determine an execution plan of a query for a parallel database system;
4   display the steps of the execution plan in a graphical user interface; and
5   depict parallel execution of steps of the execution plan in the graphical
6   user interface,
7   wherein depicting the parallel execution of steps comprises displaying
8   plural elements corresponding to concurrently executing plural steps on respective
9   processors of the parallel database system.

1   31.   (Previously Presented) The article of claim 30, wherein the instructions
2   when executed cause the controller including an optimizer to determine the execution
3   plan of the query.

1   32.   (Previously Presented) The article of claim 30, wherein the instructions
2   when executed cause the controller to receive environment information to emulate a
3   target database system.

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1   33.   (Previously Presented) The article of claim 32, wherein the instructions

2   when executed cause the controller to determine the execution plan of the query based on

3   the environment information.

1   34.   (Previously Presented) The article of claim 30, wherein the execution plan

2   comprises a first execution plan, wherein the instructions when executed cause the

3   controller to further:

4   determine a second execution plan of the query for the parallel database

5   system;

6   display the steps of the second execution plan concurrently with the steps

7   of the first execution plan in the graphical user interface.

1   35.   (Previously Presented) The method of claim 1, wherein displaying the

2   plural elements comprises displaying the plural elements side-by-side to indicate

3   concurrent execution of the respective steps.

1   36.   (Previously Presented) The method of claim 35, further comprising

2   displaying other elements in sequence with the plural side-by-side elements to indicate

3   sequential execution of other steps corresponding to the other elements.

1   37.   (Previously Presented) The method of claim 11, wherein determining the

2   first execution plan comprises determining the first execution plan in a parallel database

3   system environment, determining the second execution plan comprises determining the

4   second execution plan in the parallel database system environment, and displaying each

5   of the first and second execution plans comprises displaying plural elements

6   corresponding to concurrently executing plural steps on respective processors of the

7   parallel database system environment.

1   38.   (Previously Presented) The method of claim 37, wherein displaying the

2   plural elements comprises displaying the plural elements side-by-side to indicate

3   concurrent execution of the respective steps.

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Appl. No. 09/608,976
Amdt. dated December 16, 2003
Reply to Office Action of October 17, 2003

1   39.   (Previously Presented) The method of claim 38, further comprising

2 displaying other elements in sequence with the plural side-by-side elements to indicate

3 sequential execution of other steps corresponding to the other elements.

1   40.   (Previously Presented) The article of claim 30, wherein displaying the

2 plural elements comprises displaying the plural elements side-by-side to indicate

3 concurrent execution of the respective steps.

1   41.   (Previously Presented) The article of claim 40, further comprising

2 displaying other elements in sequence with the plural side-by-side elements to indicate

3 sequential execution of other steps corresponding to the other elements.

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